

The Afghanistan Engineering Support Program assembled this quarterly report. It is an approved, official USAID document. Budget information contained herein is for illustrative purposes. All policy, personal, financial, and procurement sensitive information has been removed. Additional information on the report can be obtained from Firouz Rooyani, Tetra Tech Sr. VP International Operations, (703) 387-2151.



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AFGHANISTAN

ENGINEERING SUPPORT PROGRAM

FINAL Q1 QUARTERLY REPORT FY2012



Draft Submitted: January 10, 2012

Final Submitted: February 4, 2012

This publication was produced for review by the United States Agency for International Development. It was prepared by Tetra Tech.

This report was prepared for the United States Agency for International Development, Contract No. EDH-I-00-08-00027-00, Task Order 01, Afghanistan Engineering Support Program.

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February 4, 2012

[REDACTED]
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U.S. Agency for International Development
Café Compound
U.S. Embassy
Great Masood Road
Kabul, Afghanistan

Re: Contract No. EDH-I-00-08-00027-00, Order No. 1; Afghanistan Engineering Support Program; Final Q1 Quarterly Report FY2012

Dear [REDACTED]:

Per section C.5, "Deliverables," paragraph G of the above referenced contract, we are submitting the Final 1st Quarter Report for the 2012 Fiscal Year. The report covers the period of October 1, 2011 through December 31, 2011.

Please feel free to contact me with any questions or comments.

Respectfully,

[REDACTED]
[REDACTED]

Chief of Party, OIEE-AESP
Tetra Tech

AFGHANISTAN ENGINEERING SUPPORT PROGRAM

Q1 QUARTERLY REPORT FY2012

Draft Submitted: January 10, 2012
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DISCLAIMER

The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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1.0 Executive Summary

This is the Fiscal Year 2012 First Quarter (FY2012 Q1) Report submitted under Task Order EDH-I-00-08-00027-00, Order No. 1; Afghanistan Engineering Support Program (AESP). The reporting period is for October 1, 2011 through December 31, 2011.

The purpose of the Afghanistan Engineering Support Program contract is to provide technical assistance to the Office of Infrastructure, Engineering & Energy (OIEE), by providing a quick response from a Kabul based core of expatriate architectural and engineering professionals. The Kabul-based Tetra Tech Team provides planning, design, technical and oversight support, while also contributing to capacity building, mentoring, and collaboration/coordination with appropriate stakeholders. The estimated period of performance for this contract is five (5) years from a notice to proceed date of November 14, 2009.

Deliverables for the Contract include Security Plan, Weekly Meeting Minutes, Quarterly Progress Reports, Performance Monitoring Plan (PMP), Annual Work Plans, Annual Project Reports and Final Report.

During FY2012 Q1, the AESP staff worked on 11 administrative work orders (defined as those tasks taking less than or equal to 18 work days (144 work hours) and 28 long term work orders (defined as those tasks taking longer than 18 work days (144 work hours) for a total of 39 work orders. The majority of the work was focused in the Energy sector.

2.0 Program Staffing

During FY2012 Q1, the OIEE-AESP expatriate staffing remained the same.

2.1 Expat Staffing

Employee Name	Position	Afghanistan Arrival	Afghanistan Departure
██████████	Chief of Party	11/20/09	4/23/10
██████████	Finance Manager	11/20/09	N/A
██████████	Vertical Structures Lead	12/6/09	5/27/10
██████████	Energy Lead	12/6/09	1/18/11
██████████	IT Specialist (STTA)	12/6/09	5/3/10
██████████	Contracts Manager	12/13/09	12/11/10
██████████	Chief of Party	12/23/09	10/8/10
██████████	MIS Manager ⁽¹⁾	12/23/09	6/29/11
██████████	Water/Wastewater Engineer	12/23/09	6/23/10
██████████	Water Resources Lead	2/17/10	2/20/11
██████████	Junior Civil/Structural Engineer	2/17/10	11/19/10
██████████	Geologist (STTA)	3/8/10	6/12/10
██████████	Deputy Chief of Party	3/15/10	3/13/11
██████████	Acting Chief of Party	6/14/10	6/27/10
██████████	Vertical Structures Lead	6/14/10	8/30/11
██████████	Airport Planner (STTA)	6/14/10	7/12/10
██████████	Technical Support Manager	6/26/10	N/A
██████████	Water/Sanitation Lead	6/26/10	3/30/11
██████████	Geologist (STTA)	7/13/10	11/20/10
██████████	Deputy Chief of Party ⁽²⁾	7/31/10	N/A
██████████	Sr. Project Manager ⁽³⁾	7/31/10	N/A
██████████	Procurement and Finance Auditor	7/19/10	8/16/10
██████████	Chief of Party ⁽⁴⁾	8/26/10	N/A
██████████	Vertical Structures Electrical Engineer	8/26/10	9/4/10
██████████	Administrative Manager	9/13/10	2/3/11
██████████	Information Technology	10/3/10	10/24/10
██████████	Sr. Quality Assurance Inspector/Sr. Construction Mgr.	12/3/10	N/A
██████████	Contracts Manager	12/28/10	N/A
██████████	Energy Lead	1/5/11	6/30/11
██████████	Junior Civil Engineer	1/19/11	7/17/11
██████████	Junior Civil Engineer	2/20/11	N/A
██████████	Vertical Structures Electrical Engineer ⁽⁵⁾	4/19/11	N/A
██████████	Field Manager ⁽⁶⁾	4/19/11	N/A
██████████	Administrative Manager ⁽⁷⁾	6/16/11	N/A
██████████	Energy Lead ⁽⁸⁾	7/4/11	N/A
██████████	Transportation Lead ⁽⁹⁾	7/3/11	N/A
██████████	Water/Sanitation Lead ⁽¹⁰⁾	7/14/11	N/A
██████████	Communications Specialist ⁽¹¹⁾	8/18/11	N/A
██████████	Junior Engineer ⁽¹²⁾	8/18/11	N/A
██████████	MIS Manager	9/16/11	N/A

Notes:

- (1) Junior Civil Engineer then transferred to the position of MIS Manager after ██████████ demobilized.
- (2) Transportation Lead/SPR Manager then transferred to the position of Deputy Chief of Party upon the arrival of ██████████.
- (3) LTTA position transition from PRT Manager to Sr. Project Manager.
- (4) Deputy Chief of Party then transferred to the position of Chief of Party after ██████████ demobilized.
- (5) LTTA position replacement for previous Vertical Structures Electrical Engineer, ██████████.
- (6) LTTA position replacement for previous Water Resources Lead, ██████████.
- (7) LTTA position replacement for previous Administrative Manager, ██████████.
- (8) LTTA position replacement for previous Energy Lead, ██████████.

- (9) LTTA position replacement for previous Transportation Lead, [REDACTED], after his transition to Deputy Chief of Party.
- (10) LTTA position replacement for previous Water/Sanitation Lead, [REDACTED].
- (11) LTTA position created from transition of PRT Manager to Communications Specialist.
- (12) LTTA position created from transition of Junior Civil Engineer to Junior Engineer.

2.2 Expat Staffing Changes

There were no additions to the expat staff during the 1st quarter.

2.3 Local National Staffing

Table 2-2 Local National Staffing			
Employee Name	Position	Start Date	End Date
[REDACTED]	Government Liaison/Tt	12/2/09	N/A
[REDACTED]	Facilities Maintenance/Tt	3/20/10	N/A
[REDACTED]	Facilities Manager/Tt	3/20/10	N/A
[REDACTED]	Contracts Assistant/Buyer/Tt	3/22/10	5/4/11
[REDACTED]	Accountant/Tt	3/23/10	N/A
[REDACTED]	Internal Auditor/Tt	3/27/10	N/A
[REDACTED]	Mid-Level Architect/Tt	4/5/10	N/A
[REDACTED]	IT Manager/Tt	4/15/10	N/A
[REDACTED]	IT Assistant/Tt	4/20/10	N/A
[REDACTED]	HR Manager/Tt	7/3/10	N/A
[REDACTED]	SPR Administrative Assistant/Tt	9/13/10	N/A
[REDACTED]	Administrative Assistant/Tt	10/1/10	N/A
[REDACTED]	SPR QA Monitor/USACC	10/2/10	N/A
[REDACTED]	SPR QA Monitor/USACC	10/2/10	N/A
[REDACTED]	SPR Mid-Level engineer/ USACC	10/9/10	N/A
[REDACTED]	SPR QA Monitor/USACC	10/9/10	5/8/11
[REDACTED]	SPR QA Monitor/USACC	10/12/10	10/10/11
[REDACTED]	Civil Engineer – Junior Level/USACC	10/24/10	8/16/11
[REDACTED]	Senior Administrative Assistant/Tt	10/24/10	N/A
[REDACTED]	Structural Engineer – Junior Level/SMART	11/29/10	N/A
[REDACTED]	Electrical Engineer – Junior Level/SMART	12/5/10	N/A
[REDACTED]	Civil Engineer – Mid Level/SMART	12/7/10	N/A
[REDACTED]	SPR QA Monitor/USACC	12/11/10	N/A
[REDACTED]	Electrical Engineer – Mid Level/SMART	3/15/11	N/A
[REDACTED]	Cost Estimator – Senior/Tt	4/16/11	N/A
[REDACTED]	Contracts Assistant/Buyer/Tt	6/12/11	N/A
[REDACTED]	Civil Engineer – Junior Level/SMART	10/28/11	N/A
[REDACTED]	Technical Writer and GIS Analyst	11/12/11	N/A

In addition to the Local National Staff listed above, six (6) LNs are employed for facilities maintenance and five (5) cooking staff are employed.

2.4 Local National Staff Changes

Two (2) local nationals were added to the Tetra Tech Staff during the 1st quarter. One LN was hired as a replacement for the previous Civil Engineer - Junior Level and one LN was hired as a Technical Writer and GIS Analyst. The LNs continue to be trained by the expat staff to ensure functionality and operability remains at the highest levels.

3.0 Contract/Task Order

3.1 Contract/Task Order Activities

October 13, 2011: USAID issued MOD 13. The purpose of the MOD was to incrementally fund the task order by [REDACTED] thereby increasing the total obligated amount from [REDACTED] to a new obligated amount of [REDACTED].

December 21, 2011: USAID issued MOD 14. The purpose of the MOD was to incrementally fund the task order by [REDACTED] thereby increasing the total obligated amount from [REDACTED] to a new obligated amount of [REDACTED].

3.2 Contract/Task Order Deliverables

October 3, 2011 Final Work Plan (Year 3)
October 29, 2011 Draft FY2011 Annual Report
December 22, 2011 Final FY2011 Annual Report

4.0 Work Orders

4.1 Sector Activities

The following table is a summary of the active work orders per sector during FY2012 Q1.

Table 4-1 Active FY2012 Q1 Work Orders						
Work Order Type	Sector					
	Energy	Water and Sanitation	Water Resources	Transportation	Vertical Structures	Technical Support Services
Administrative Work Orders	3	1	0	1	1	5
Long Term Work Orders	8	1	0	8	3	5
The value of Long Term Work Orders initiated in FY2012 Q1 total [REDACTED].						

The following sections describe the activities performed in each sector during FY2012 Q1 under this Task Order.

4.1.1 Energy

In the first quarter of FY2012, the Energy Sector continued work on a number of long term work orders to meet the objectives outlined in the Department of Defense *Report on Progress Toward Security and Stability in Afghanistan* (October 2011). The work product/studies will

be the cornerstone to establish a reliable electrical transmission and generation system in Afghanistan. Existing long term work orders are described as follows:

4.1.1.1 WO-LT-0022 Power Reliability Study (US Embassy, USAID)

Tetra Tech is currently assisting in the effort to provide electric power supplied by Da Afghanistan Breshna Sherkat (DABS) to the US Embassy. Tetra Tech met with DABS, USAID, and the US Embassy to discuss the various technical issues for such an arrangement. Tetra Tech investigated and selected voltage monitor equipment to monitor DABS power. The equipment was installed and data was collected. Based on the findings, Tetra Tech will submit a report to USAID during the second quarter of FY2012.

4.1.1.2 WO-LT-0023 Afghanistan Electrical Transmission and Generation Study

Tetra Tech gathered data on the transmission and generation system from several governmental entities such as DABS, the Ministry of Energy and Water (MEW), the Afghan Energy Information Center (AEIC), etc. This data was used to prepare a long-term plan on the transmission/generation facilities required to meet Afghanistan's long-term electric growth. The report was submitted to USAID on October 19th, 2011. The PSS/E models were submitted on October 29th, 2011. This work order will remain open to accommodate potential amendments to the model.

4.1.1.3 WO-LT-0025 RC-East Villages Electrification

Tetra Tech prepared conceptual designs for electrification of 46 villages to be supplied from a 20kV distribution line that runs along the Kabul-Charikar highway. All conceptual designs have been delivered to USAID. The villages of Sufyane Bala and Sufyane Pain have been energized. RC-East has purchased materials for Chaykal B, Chaykal C, and Jawzsang, and they are being delivered. Another order has just been placed for Chaykal A and D.

4.1.1.4 WO-LT-0035 Afghanistan Electricity Sector Economic Study

Based on a limited notice to proceed, Tetra Tech developed a report and model to determine the economic impacts of energy sector investments. The USAID Mission Director was briefed on the work order status on June 22nd, 2011. A draft report was submitted on August 31st, 2011 and the final report was submitted to USAID on October 3rd, 2011.

4.1.1.5 WO-LT-0043 PTEC Environmental Assessment: Power Transmission, Expansion and Connectivity

Tetra Tech received NTP late in Q1. Tetra Tech will prepare the Environmental Scoping Statement as well as the Environmental Assessment and Mitigation associated with USAID's Power Transmission, Expansion, and Connectivity (PTEC) Project.

4.1.1.6 WO-LT-0044 Bamyan Valley T & D Design

The Bamyan Small Hydro Project: Distribution Design Report created by National Rural Electric Cooperative Association (NRECA) has been reviewed in light of a 1MW photovoltaic array funded by the New Zealand Agency for International Development (NZAID) replacing the now cancelled hydroelectric plant at Topchi. The initial Task 1 report was submitted on October 23rd, 2011 outlining the design and implementation coordination required between USAID, NZAID and the Aga Khan Foundation (AKF). Subsequent meetings were held at the Bamyan PRT in November and it was determined that USAID would cancel the AESP Task 2 Design Services. This work order was closed on November 26th, 2011.

4.1.1.7 WO-LT-0045 Darunta Technical Services

Tetra Tech performed a brief site investigation to Darunta Dam during the fourth quarter of FY2011. As a result of the site visit, a SOW and ROM were prepared by Tetra Tech and approved by USAID to investigate the operational issues at the site as they pertain to the desilting gates and intakes. Tetra Tech has prepared a team to visit the site in January 2012 for a detailed engineering evaluation.

4.1.1.8 WO-LT-0051 NEPS-SEPS Alternatives Study

Tetra Tech prepared and submitted a draft report evaluating the various options available to USAID for strengthening and expanding the electrical power generation, transmission and distribution systems in Afghanistan.

4.1.2 Vertical Structures

A summary of work performed during the first quarter of FY2012 by the Vertical Structures group included providing technical support, document reviews, project meeting attendance, and design input on several major vertical structures engineering projects to USAID/OIEE.

4.1.2.1 WO-LT-0001 Regional and Provincial Training Centers Concept and Final Design

A Site Development package for the Kabul Regional Afghanistan Civil Service Institute Training Center was put on hold. The original plan presented a two story facility. At the request of USAID, a bill of quantities was created for a single story PTC building.

4.1.2.2 WO-LT-0014 Vocational Training Center Scoping Narrative

Space programming, conceptual floor plans, and discussion of building and site systems were prepared for USAID and the Ministry of Energy and Water for proposed new facilities at the VTC. The facilities include two new dormitories and a dining hall. Current plans are to go forward with the dormitory and dining hall design. A SOW and ROM were submitted for preparation of complete construction design documents.

4.1.2.3 WO-LT-0015 Kabul University Men's Dormitory, DFAC & Laundry

Tetra Tech continued third party technical support by attending the weekly construction coordination project meetings and providing field observation for these three projects. Other duties included submittal review and proposed design modification review and comment.

4.1.3 Water and Sanitation

4.1.3.1 WO-LT-0006 Sardar Girls High School (SGHS) Utility Construction Documents

Tetra Tech provided revisions to Plans and Specifications as requested by USAID to reflect that the construction will be performed while the school building is occupied. Construction Administration Services for Site Layout, Grading and Utilities are pending USAID's award of the utilities construction contract.

4.1.4 Transportation

Work in the Transportation sector included the QA Oversight for WO-LT-0007 the Strategic Provincial Roads – Southern and Eastern Afghanistan (SPR-SEA) program, QA Oversight for the rehabilitation of Maimana and Faizabad Regional Airports under WO-LT-0029, Project Administration Capacity Building with MoTCA under WO-LT-0041, and O&M evaluation of the Ministry of Public Works under WO-LT-0049

4.1.4.1 WO-LT-0007 QA Oversight SPR (Strategic Provincial Roads) Southern and Eastern Afghanistan

Tetra Tech staff continued to attend meetings with USAID and IRD to discuss the close out of the completed and the improved roads. Tetra Tech was asked to prepare the final QA reports for the roads which were visited by Tetra Tech. As a sample, Tetra Tech prepared a final report of Road 9A/9B. During this quarter, Bridge #4 was turned over to USAID and placed under the Completed Roads/Bridges section of IRD's Final Implementation Plan and five site visits were conducted to Bridge #2.

Following each site visit by Tetra Tech QA staff, field observation reports, photographs of site activities, and lab and field testing documents were compiled and developed into monthly site visit reports and delivered to USAID.

4.1.4.2 WO-LT-0009 Amendment 1 PRT Support – Khost Bridge Final Design

The final design was submitted to Khost PRT and the work order was closed.

4.1.4.3 WO-LT-0009 Amendment 2 PRT Support – Bamyan Dam Sites Pre-Feasibility Studies

Tetra Tech completed the conceptual design for the implementation of a low-head diversion dam in the Kalu Valley, Bamyan Province including preliminary design drawings, geotechnical and geologic data, stability and seepage analysis, hydrology and hydraulics analysis, conceptual engineering designs for the dam, penstock, and powerhouse, and cost estimation.

Tetra Tech completed the geotechnical engineering modeling for the implementation of a low-head diversion dam at the Shikari #1 site on the Bamyan River, Bamyan Province. The

modeling included preliminary design drawings, geotechnical and geologic data, and stability and seepage analysis.

4.1.4.4 WO-LT-0009 Amendment 4 PRT Field Support – Matun and Lakan Crossings Conceptual Bridge Designs

This work order was closed during this quarter.

4.1.4.5 WO-LT-0029 Technical Assistance to USAID for Rehabilitation Design and Construction on Maimana and Faizabad Regional Airports runways and Aprons

Tetra Tech QA Engineers made several trips to both airports to conduct third party QA oversight of major construction activities on a full time basis. Besides their observation the construction activities and testing of materials, the Tetra Tech QA Engineers brought samples of asphalt from binder course to Kabul and delivered to an independent laboratory for tests. The test results were submitted to USAID. Tetra Tech personnel attended several meetings with MoTCA, USAID and FAA representatives to review the airports progress and discuss the delay problems.

The Tetra Tech Transportation Lead conducted a trip with a team comprised of USAID and MoTCA representative to verify the construction progress in Maimana. During the visit, the team made a general review of the progress of the airport and held meeting with the Contractor. The Tetra Tech Senior Engineer made a trip to Faizabad with USAID and MoTCA representatives to verify the project progress and the causes for project delay. Tetra Tech submitted the trip reports to USAID on monthly basis.

4.1.4.6 WO-LT-0041 MoTCA Capacity Building: Project Administration – Maimana and Faizabad Airports

Tetra Tech personnel attended five meetings with MoTCA representatives to support their efforts in preparing progress reports to submit to USAID. Tetra Tech attended a meeting with MoTCA and MoF representatives to review the Implementation Letter 17 (IL-17) requirements. The meeting minutes were provided to USAID by Tetra Tech.

Tetra Tech personnel reviewed the draft monthly progress reports prepared by MoTCA and made comments to aid in meeting the reporting requirements of IL-17.

4.1.4.7 WO-LT-0049 Evaluation of MoPW Capacity to Conduct Roadway O&M

Under WO-LT-0049, Tetra Tech is evaluating the capacity of the Ministry of Public Works (MoPW) to perform Operations and Maintenance (O&M) on the country's road network. USAID is considering providing training and technical assistance to the ministry to build the capacity of the organization to sustainably conduct O&M on Afghanistan's roadway system.

Tetra Tech personnel attended meetings with USAID, LBG and IRD regarding their experiences and insight into the Ministry's O&M operations. Tetra Tech also attended seven meetings with Ministry employees. During these meetings, interviews were conducted with Ministry employees to garner information about the Ministry's current capabilities. Tetra Tech is preparing a summary of the findings with recommendations to be submitted to USAID for their consideration.

4.2 Progress

First quarter FY2012 Work Order activity under this Task Order included work on 11 Administrative Work Orders and 25 Long Term Work Orders for a total of 36 Work Orders. Following is the breakdown of number of Work Orders by sector:

- Energy: 3 Administrative Work Orders, 8 Long Term Work Orders
- Water, Sanitation, and Water Resources: 1 Administrative Work Orders, 1 Long Term Work Orders
- Transportation: 1 Administrative Work Orders, 8 Long Term Work Orders
- Vertical Structures: 1 Administrative Work Orders, 3 Long Term Work Orders (includes architecture, energy, and water and sanitation support)
- Technical Support Services: 5 Administrative Work Orders, 5 Long Term Work Orders

The value of Long Term Work Orders initiated in FY2012 Q1 totals [REDACTED]. A summary of the progress of each Work Order is shown in Table 4-1. A listing of FY2012 Q1 Work Orders can be found on the Work Order Status table included in Appendix A.

Table 4-2 FY 2012 Q1 Active Work Order Summary Afghanistan Engineering Support Program IQC: Task Order 01 - EDH-I-00-08-00027-00 USAID Technical Office: USAID/Office of Infrastructure, Engineering, and Energy (OIEE) Reporting October 1 Thru December 31, 2011		
Work Order Number	Work Order Title	Summary of Work Completed FY2012 Q1
WO-A: Administrative Work Orders⁽¹⁾		
WO-A-0024	Afghan First COP Meetings	Tetra Tech submitted a tentative agenda for these meetings.
WO-A-0058	Afghan Standardization	Tetra Tech submitted a summary report on the investigation into the development of Afghan national construction standards. This work order was closed during this quarter.
WO-A-0072	File Transfer Services	Tetra Tech remained available to help with file transfers for USAID.
WO-A-0077	KHPP Environmental Services	Tetra Tech performed a review of the environmental mitigation efforts of installation and operation of diesel units for the Kandahar Helmand Power Plant (KHPP).
WO-A-0078	Kajaki Unit 2 Assessment	Tetra Tech performed a technical review of Unit 2 at Kajaki Dam. This work order was closed during this quarter.
WO-A-0079	Tarakhil O&M Estimate	Tetra Tech performed a review and evaluation of the O&M estimate prepared by LBG/BV and provided USAID with comments. This work order was closed during this quarter.
WO-A-0080	Gas Pipeline Pre-Feasibility Study	Tetra Tech prepared a pre-feasibility study of a gas line from Turkmenistan and Herat. The preliminary report was submitted November 11, 2011.
WO-A-0081	K-K Bridge Calculations Review	Tetra Tech performed a technical review of concrete bridges made with poor quality material on the Kabul Kandahar Road.
WO-A-0082	SEPS Technical Services	Tetra Tech supported USAID at the joint SEPS Scoping meetings held at KAF with USACE. A field trip report and informal meeting observations were issued to USAID. This work order was closed during this quarter.
WO-A-0083	Review of Sardar GHS Fire Doors	Tetra Tech performed a technical review of the fire doors submittal at Sardar Girls High School. Technical memo provided to USAID included findings and recommendations.
WO-LT: Long Term Work Orders⁽²⁾		
WO-LT-0001	Regional and Provincial Training Centers Concept and Final Design	Bill of Quantities submitted November 1 st , 2011.
WO-LT-0006	Sardar Girls High School (SGHS) Utility Construction Documents	Revised Plans and Specifications to reflect planned construction with the school building occupied.
WO-LT-0007	QA Oversight SPR - Southern & Eastern Afghanistan	QA Monitors made site visits to Bridges 2 and 4. Preparation of final QA reports for all roads reviewed by Tetra Tech.
WO-LT-0009 AMD 1	Khost Bridge Final Design	Tetra Tech completed the conceptual design, topographic survey, geotechnical investigation, and the final design.
WO-LT-0009 AMD 2	Bamyan Dam Sites Pre-Feasibility Study	Tetra Tech completed and submitted the Kalu Final Report and draft Shikari Task 1-3 Report.
WO-LT-0009 AMD 4	Matun and Lakan Crossings Conceptual Bridge Designs	This work order was closed during this quarter.
WO-LT-0014	VTC Green Design	Tetra Tech prepared and presented a Scoping Narrative and space plan with conceptual floor plans for each building.
WO-LT-0015	Kabul University Men's Dormitory Construction Inspection and DFAC Design Review	Provided third party QA for DFAC, Laundry, and Men's Dormitory. Construction Technical support and Field Observation duties ongoing.
WO-LT-0022	Power Reliability Study (US Embassy, USAID)	Data from the installed meters was collected.

Table 4-2 FY 2012 Q1 Active Work Order Summary Afghanistan Engineering Support Program IQC: Task Order 01 - EDH-I-00-08-00027-00 USAID Technical Office: USAID/Office of Infrastructure, Engineering, and Energy (OIEE) Reporting October 1 Thru December 31, 2011		
Work Order Number	Work Order Title	Summary of Work Completed FY2012 Q1
WO-LT-0023	Afghanistan Electrical Transmission and Generation Study	Tetra Tech has populated a power system study model with system data in preparation of model testing. The report was submitted on October 19 th , 2011. The PSS/S Models were submitted on October 29 th , 2011.
WO-LT-0025	RC-East Villages Electrification	The villages of Sufyane Bala and Sufyane Pain have been energized. RC East awarded a materials supply contract to two (2) electrical suppliers for 46 villages.
WO-LT-0029	Maimana and Faizabad Airport 3 rd Party QA	Provided full-time QA oversight at both airports. Tetra Tech visited both sites with USAID to review progress and address problems.
WO-LT-0033	USAID/OAA Claims Assistance	Tetra Tech continued reviews of Claims received by USAID.
WO-LT-0041	MoTCA – Regional Airport Support	Met with MoTCA and MoF to assist with reporting requirements of IL 17. Reviewed draft monthly reports for both airports.
WO-LT-0042	Afghan Women Internship Program	Tetra Tech continued work on creating and implementing an internship program for female architecture and engineering students at Universities in Kabul.
WO-LT-0043	PTEC-Environmental Assessments Power Transmission, Expansion and Connectivity	Tetra Tech has begun researching and compiling information to complete environmental assessments for PTEC. NTP was received on December 26, 2011.
WO-LT-0044	Bamyan Valley T&D Design	The Bamyan Small Hydro Project: Distribution Design Report has been reviewed. A report on Task 1 of this project was submitted to USAID on October 23 rd , 2011. The work order was closed during this quarter.
WO-LT-0045	Darunta Technical Services	Tetra Tech completed a site visit and prepared a SOW/ROM for design services. Tetra Tech is preparing the team for a site visit to occur in January 2012.
WO-LT-0049	O&M Capacity Review of the Ministry of Public Works	Met with USAID, LBG and IRD to review MoPW experiences. Interviewed MoPW employees to gather information about the Ministry. Preparing report for USAID consideration.
WO-LT-0051	NEP-SEPS Alternatives Study	Tetra Tech prepared and submitted a draft report evaluating the various options available to USAID for strengthening and expanding the electrical power generation, transmission and distribution systems in Afghanistan.

Notes ^(#):

- (1) Work Orders with anticipated level of effort of 18-mandays or less
- (2) Work Orders that are planned to equal more than 18-mandays

5.0 Pending Work Orders

5.1.1.1 WO-LT-0046 Kajaki Technical Services

Tetra Tech prepared and submitted a SOW and ROM to conduct a site investigation and prepare an evaluation report and recommendations for Unit 1 at Kajaki Dam.

5.1.1.2 WO-LT-0047 USAID OIEE Project Research and Documentation

Tetra Tech developed and submitted a SOW and ROM for this work order to create an OIEE project reference binder including projects that USAID-OIEE has worked on, is currently working on, or may work on in the future.

5.1.1.3 WO-LT-0048 PTEC Technical SOW Preparation

Tetra Tech is developing a SOW and ROM to perform an assessment of NEPS, the NEPS to SEPS connector, and SEPs with grid power from the west

5.1.1.4 WO-LT-0052 Development of Annual O&M Cost Budgeting Template and Evaluation of and Improvements to, Existing O&M Budgets

Tetra Tech prepared a SOW and ROM to develop a template for estimating annual Operations and Maintenance (O&M) Budgets along with the evaluation of, improvements to existing O&M budget.

6.0 Financial

FY 2012 Q1 contract MOD activity increased the obligated funding to [REDACTED] through MOD 14.

6.1 Invoices, Projected Burn Rates, and Reach Back Usage

Table 8-1 AESP Expenditures and Burn Rate		
Cumulative Expenditures through September 30, 2011		[REDACTED]
October 2011	[REDACTED]	
November 2011	[REDACTED]	
December 2011 (Estimate)	[REDACTED]	
Total FY2012 Q1 Expenditures	[REDACTED]	
Cumulative Expenditures through December 31, 2011		[REDACTED]
Current Estimated Average Burn Rate per Month	[REDACTED]	

6.2 Contract/Task Order Issues

Status of Obligated Funds: Based on the current billing and projected burn rate, the [REDACTED] in Obligated Funding will be exhausted in November 2012.

Level of Effort Summary: As of December 30, 2011; 6,546 reach back work days and 22,122 in-country work days for a total 28,688 work days were expended.

Appendix A

Work Order Status

FY2012 Q1 WORK ORDER STATUS
Afghanistan Engineering Support Program

Revised January 9, 2012 (Reporting Thru December 30, 2011) (Local National, USACC, SMART and Power time through December 30, 2011)

Energy
Water Resources
Vertical Structures
Transportation
Water and Sanitation
Multi-Disciplinary
USAID Technical Support
Pending Work Orders

Work Order Number	Program Type ⁽³⁾	Description	Status ⁽⁴⁾	Estimated Cost (ROM)	In Country Cost to Date ⁽⁵⁾	Reach Back Cost to Date ⁽⁵⁾	Labor Cost to Date ⁽⁵⁾
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WO-A: Administrative Work Orders⁽¹⁾

WO-A-0024	TS	Afghan First COP Meetings	Open	NA			
WO-A-0058	TS	Afghan Standardization	Complete	NA			
WO-A-0060	W/S	Embassy Biodigestion Study	Complete	NA			
WO-A-0072	TS	File Transfer Services	Open	NA			
WO-A-0077	TS	KHPP Environmental Services	Open	NA			
WO-A-0078	TS	Kajaki Unit 2 Assessment	Complete	NA			
WO-A-0079	E	Tarakhil O&M Estimate	Complete	NA			
WO-A-0080	E	Gas Pipeline Pre-Feasibility Study	Open	NA			
WO-A-0081	T	K-K Bridge Calculations Review	Open	NA			
WO-A-0082	E	SEPS Technical Services	Complete	NA			
WO-A-0083	VS	Review of Sardar GHS Fire Doors	Open	NA		\$0	\$0

WO-LT: Long Term Work Orders⁽²⁾

WO-LT-0001	VS	Regional and Provincial Training Centers Concept and Final Design	Open				
WO-LT-0006	W/S, E	SGHS Utility Construction Documents	Open				
WO-LT-0007	T	QA Oversight SPR - Southern & Eastern Afghanistan	Open				
WO-LT-0009	T	PRT Field Support	Open				
WO-LT-0009 AMD 1	T	PRT Field Support - Khost Bridge Final Design	Complete				
WO-LT-0009 AMD 2	T	PRT Field Support - Bamyan Dam Sites Pre-Feasibility Studies	Open				
WO-LT-0009 AMD 4	T	Matun and Lakan Crossings Conceptual Bridge Designs	Complete				
WO-LT-0014	VS	VTC Green Design	Open				
WO-LT-0015	VS	Kabul University Men's Dormitory Construction Inspection and DFAC Design Review	Open				
WO-LT-0020	E	Sherberghan Pipeline EIA	Cancelled		\$0	\$0	\$0
WO-LT-0022	E	Power Reliability Study (US Embassy, USAID)	Open				
WO-LT-0023	E	Afghanistan Electrical Transmission & Generation Study	Open				
WO-LT-0024	E	Kud Bergh (Mazar) 48MW Power Plant Field Investigation	Open				
WO-LT-0025	E	RC-East Villages Electrification	Open				
WO-LT-0029	T	Maimana and Faizabad Airport 3rd Party QA	Open				
WO-LT-0033 AMD 1	TS	USAID/OAA Claims Assistance	Open				
WO-LT-0033 AMD 2	TS	USAID/OAA Claims Assistance	Open				
WO-LT-0033 AMD 3	TS	USAID/OAA Claims Assistance	Open				
WO-LT-0035	E	Afghanistan Electricity Sector Economic Study	Complete				
WO-LT-0037	VS	Judicial Training Center Site Services	Cancelled		\$0	\$0	\$0
WO-LT-0040	TS	Ghazni 100-Bed Hospital Environmental Site Assessment Services	Cancelled	TBD	\$0	\$0	\$0
WO-LT-0041	T	MoTCA - Regional Airport Support	Open				
WO-LT-0042	TS	Afghan Women Internship Program	Open				
WO-LT-0043	E	PTEC - EA Power Transmission, Expansion and Connectivity	Open		\$0	\$0	\$0
WO-LT-0044	E	Bamyan Valley T & D Design	Complete				
WO-LT-0045	TS	Darunta Technical Services	Open		\$0	\$0	\$0
WO-LT-0046	E	Kajaki Units 1 and 3 Technical Services	Pending		\$0	\$0	\$0
WO-LT-0047	TS	OIEE Project Research and Documentation	Pending		\$0	\$0	\$0
WO-LT-0048	E	PTEC Technical SOW Preparation	Pending	TBD	\$0	\$0	\$0
WO-LT-0049	T	Evaluation of MoPW Capacity to Conduct Roadway O&M	Open				
WO-LT-0050	E	Kajaki Unit 2 Technical Review	Cancelled	TBD	\$0	\$0	\$0
WO-LT-0051	E	NEPS-SEPS Alternatives Study	Open				
WO-LT-0052	VS	Development of Annual O&M Cost Budgeting Template and Evaluation of, and Improvements to, Existing O&M Budgets	Pending		\$0	\$0	\$0

Notes ^(#):

- (1) Work Orders with anticipated level of effort of 18-mandays or less
- (2) Work Orders that are planned to equal more than 18-mandays
- (3) Program Type: Technical Support (TS), Energy (E), Transportation (T), Vertical Structures (VS), Water/Sanitation (W/S) or Water Resources (WR)
- (4) Status: Pending Approval, Open, or Complete
- (5) Labor, expenses, OH, GA, and fee.

Project Issues Summary

Project Issues Summary	Key		
	R	●	Issue requires direction or is behind schedule.
	Y	●	Issue is proceeding but clarification or direction is required for completion.
Afghanistan Engineering Support Program (AESP)	G	●	Issue is proceeding and is expected to be completed on schedule.
UPDATED: December 22, 2011 By: [REDACTED]	G	●	
Issue	Status		Action Required
Contract Plans			
Annual Work Plan	G	●	Draft Annual Work Plan submitted 8/14/2011. USAID comments received on draft. Final work plan submitted 11/3/11. USAID to review and comment.
PMP (Performance Monitoring Plan)	G	●	Final PMP submitted 4/3/2010. USAID requested revisions 10/16/10 and met with TT on 11/6. TT submitted draft 11/20/10. Sector PMP forms submitted 11/22/10. No action required.
Quarterly Progress Reports	G	●	FY2012 Q1 Report due 1/10/12. TT to submit quarterly report NLT 1/10/12.
Annual Report for Each FY	G	●	TT submitted draft FY2011 Annual Report on 10/29/11. USAID comments for future reports received. TT submitted final report on 12/22/11. TT to submit hard copy on 12/27/11.
Subcontractor and Purchase Limit for Consent	G	●	CO approved \$25K Micro-purchase, RFP required for amount over \$25K, and CO consent needed for amount over \$150K. No action required.
Financial			
Status of Obligated Funds and Budget Approval	G	●	Budget Realignment submitted to USAID. USAID action required.
Contract Expenditure Status	G	●	Invoice submitted 12/9/11. MOD 14 issued on 12/21/11. TT to provide next monthly billing and burn on 1/17/12.
Obligated Contract Expenditure	G	●	Obligated contract expenditures reached 90% in December 2011. Letter submitted 12/2/11. MOD 14 issued on 12/21/11. Increased obligated funding to [REDACTED]. No action required.
Quarterly Accruals	G	●	FY2012 Q1 Accrual letter sent 12/14/11. TT to provide next quarterly billing and burn 3/15/12.
1420s & Staffing Approval			
1420 Approvals for Tetra Tech Employees and Sub-Consultants	Y	●	T-0140 and T-0142 [REDACTED] awaiting approval. Awaiting USAID approval. [This request was approved by USAID on 12/27/11]
Misc Items			
Success Stories (Periodic)	G	●	TT to prepare stories as work orders are completed.

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